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1971

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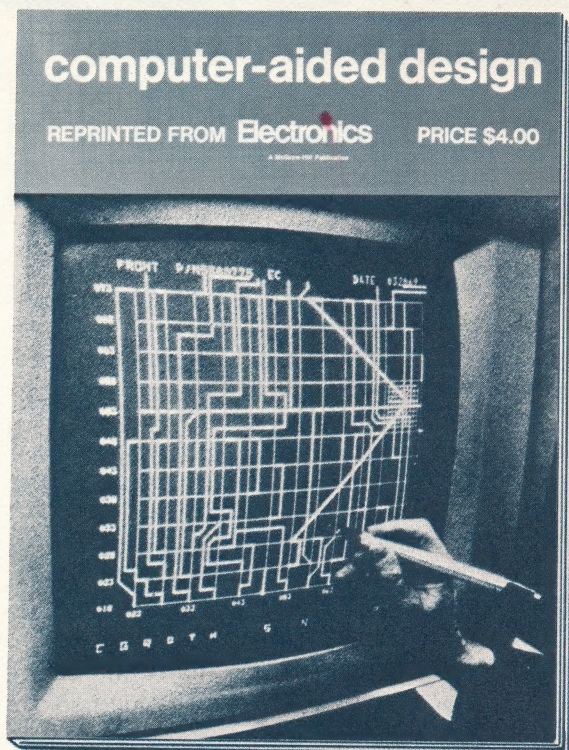
COMPUTER-AIDED DESIGN

MAY

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*with an
Introductory
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R.S.V.P.



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- Combining ECAP and NET-1: A profitable marriage
- Picking transient analysis programs
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- Layout and mask-making: Short cuts to IC's and p-c boards
- Taking the puzzle out of p-c design
- Light-pen layouts. Drawing board for IC's
- Generating IC masks automatically
- Transistor model measurements
- Guide to CAD programs
- Modified CAD device models can cut down circuit analysis costs
- Op amp modelling: Linear IC model takes to analysis by computer
- Net work optimization: Program refines circuit from rough design data

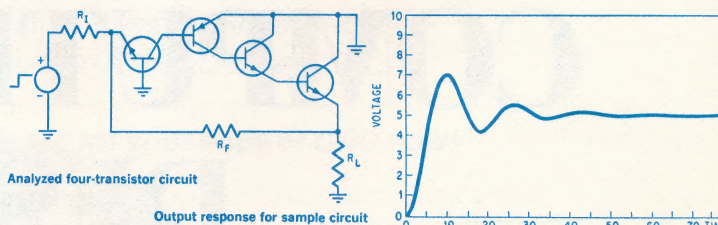
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In just a few short years, the computer has become a basic tool in everyday engineering, replacing in many cases not only the slide rule, but also the drawing board and even the breadboard.

A transient analysis problem

Function	Calahan	ECAP	NET-1	Predict	Sceptre
Computer time required for transient analysis of sample problem in minutes	2.16	5.64	2.0	3.18	0.53
Computer used for sample problem	CDC 3600 (2 to 3 times the speed of IBM 7094)	IBM 7094	IBM 7094	IBM 7094	IBM 7094



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COMPUTER-AIDED DESIGN IS A GUIDE BOOK FOR THE USE OF THE COMPUTER AS A BASIC ENGINEERING TOOL

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